



Fibre optic detector for a measuring device for the determination of light scattering

Patent number: DE19713196
Publication date: 1998-10-08
Inventor: PETERS RAINER (DE)
Applicant: ALV LASER VERTRIEBSGESELLSCHAFT (DE)
Classification:
- international: G01N15/02; G01N21/47; G01N15/02; G01N21/47; (IPC1-7): G01N21/47; G01J1/42; G01J3/453; G01N15/00
- european: G01N15/02B; G01N21/47F2
Application number: DE19971013196 19970328
Priority number(s): DE19971013196 19970328

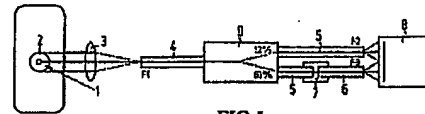
Also published as:

 EP0867710 (A1)
 EP0867710 (B1)

[Report a data error here](#)

Abstract not available for DE19713196
Abstract of corresponding document: EP0867710

The optical fibre detector uses a multi-mode optical fibre (4), coupled to a beam splitter (9), for splitting the light into partial beams of equal or different intensity, fed to respective multi-mode optical fibres (5). One of the latter is coupled to a single-mode optical fibre (6) via an optical fibre coupling (7), with both partial beams fed to a single photon detector (8). The beam splitter may be replaced by a light switching device, which directs the light to the 2 multi-mode optical fibres in alternation.

**FIG. 1**

Data supplied from the esp@cenet database - Worldwide

BEST AVAILABLE COPY